



# **STIC Search Report**

## **EIC 2100**

**STIC Database Tracking Number: 198766**

**TO: Mohammad A Siddiqi**

**Location: RND 4C24**

**Art Unit: 2154**

**Tuesday, August 15, 2006**

**Case Serial Number: 09/740565**

**From: Carol Wong**

**Location: EIC 2100**

**RND-4B28**

**Phone: 571-272-3513**

**Carol.Wong@uspto.gov**

### **Search Notes**

Dear Ex. Siddiqi

Attached are the search results for your case.

Color tags mark the patents/articles which appear to be most relevant to the case. Color of tag has no significance. Pls review all documents, since untagged items might also be of interest.

Pls call if you have any questions or suggestions for additional terminology, or a different approach to searching the case.

Thanks, Carol

File 344:Chinese Patents Abs Jan 1985-2006/Jan  
(c) 2006 European Patent Office  
File 348:EUROPEAN PATENTS 1978-2006/ 200632  
(c) 2006 European Patent Office  
File 349:PCT FULLTEXT 1979-2006/UB=20060810,UT=20060803  
(c) 2006 WIPO/Univentio  
File 350:Derwent WPIX 1963-2006/UD=200651  
(c) 2006 The Thomson Corporation

Set	Items	Description
S1	390	PXE OR (PREBOOT? OR PRE() (BOOT??? ? OR STRAP??? ? OR STRAP-P??? ?)) (EXECUT???? ?) (ENVIRONMENT? ?
S2	272211	SERVER? OR BOOTSERVER? OR RAS OR CLIENTSERVER? OR MINISERV-ER? OR PROXYSERVER?
S3	298	FILESERVER? OR MICROSERVER?
S4	114	MULTISERVER?
S5	29	SERVERFARM? OR SERVERGROUP? OR SERVERLIST?
S6	50454	S2:S3(2N) (NETWORK? ? OR GROUP? ? OR GROUPING? ? OR COMMUNI-T??? ? OR CLUSTER???? ? OR FAMIL??? ? OR POOL? ? OR CHAIN? ?)
S7	13377	(MULTIPLE OR RANGE OR COLLECTION? ? OR SERIES OR THIRD OR -THREE OR DIFFERENT OR HETEROGEN? OR ALTERNATE OR ALTERNATIVE)-(2W) S2:S3
S8	36815	(SEPERATE OR OTHER OR MANY OR INHOMOGEN? OR BETWEEN OR BOTH OR NUMBER OR PAIR? ? OR ET OR SETS OR EXTRA OR ANOTHER) (2W) S-2:S3
S9	21845	(SEPERATE OR SET OR MULTI OR SEVERAL OR NUMEROUS OR ADDITI-ONAL OR PLURAL? OR ACROSS OR MULTIPLE OR CROSS OR SECOND OR T-WO) (2W) S2:S3
S10	1070880	CONFIGURATION? ? OR SEMANTIC(1W) MODEL? ? OR SETTINGS OR SE-TUP? OR SET() UP? ? OR TOPOLOG??? ?
S11	1380293	IMAGE OR IMAGES
S12	9420	(BOOT??? ? OR BOOTSTRAP? OR OS OR OPERAT??? ?) (SYSTEM? ?) (-2N) (DATA OR INFORMATION)
S13	191576	S10:S12(5N) (CLIENT? OR CUSTOMER? ? OR NODE? ? OR SUBSCRIBE-R? OR USER? ? OR COMPUTER? ? OR CONSOLE? ? OR TERMINAL? ? OR -THREAD? ?)
S14	481422	S10:S12(5N) (PC OR PCS OR WORKSTATION? OR STATION? ? OR PCU? ? OR UNIT OR UNITES OR DESKTOP? OR DESK() TOP? ? OR DEVICE? ?)
S15	7561	S10:S12(5N) (MICROPROCESS? OR MICROCOMPUT?)
S16	84947	(S10 OR S12) (5N) (CLIENT? OR CUSTOMER? ? OR NODE? ? OR SUBS-CRIBER? OR USER? ? OR COMPUTER? ? OR CONSOLE? ? OR TERMINAL? ? OR THREAD? ?)
S17	112598	(S10 OR S12) (5N) (PC OR PCS OR WORKSTATION? OR STATION? ? OR PCU? ? OR UNIT OR UNITES OR DESKTOP? OR DESK() TOP? ? OR DEVI-CE? ?)
S18	3426	(S10 OR S12) (5N) (MICROPROCESS? OR MICROCOMPUT?)
S19	50097	(S10 OR S12) (5N) (SEND??? ? OR SENT OR FORWARD? OR TRANSMIT? OR TRANSMIS? OR XFER? OR TRANSFER???? ? OR TRANSFERR?)
S20	25350	(S10 OR S12) (5N) (DISSEMINAT? OR NOTIFY? OR NOTIFIE?? ? OR -NOTIFICAT? OR REQUEST? OR RECEIPT? OR CONVEY? OR DELIVER? OR -MIGRAT?)
S21	50844	(S10 OR S12) (5N) (RECEPT? OR DISTRIBUT? OR SHARE? ? OR SHAR-ING OR ACQUISITION? OR ACQUIR? OR RECEIV?)
S22	32860	(S10 OR S12) (5N) RECEIV???? ?
S23	69421	BOOT??? ? OR BOOTSTRAP? OR REBOOT? OR WARMBOOT? OR SOFTBOO-T?
S24	3	REMOTEBOOT?
S25	2820	S4:S9(30N) S16:S18
S26	6	S25(30N) S1
S27	568	S25(30N) S19:S22
S28	22	S27(30N) S23:S24
S29	25	S26 OR S28
S30	11	S29 AND AC=US/PR AND AY=(1963:2000)/PR
S31	11	S29 AND AC=US AND AY=1963:2000
S32	11	S29 AND AC=US AND AY=(1963:2000)/PR

S33 6 S29 AND PY=1963:2000  
S34 12 S30:S33  
S35 36953 (S10 OR S12)(5N)(BROADCAST? OR SWAP???? ? OR EXCHANG? OR F-  
EED??? ? OR FED OR RELEAS? OR STREAM? OR DISPATCH? OR DISTRIB-  
UT?)  
S36 10271 (S10 OR S12)(5N)(NETCAST? OR FORWARD? OR RELAY? OR CYBERCA-  
ST? OR WEBCAST? OR MULTICAST? OR ANYCAST? OR CAST??? ?)  
S37 158 S25(30N)S35:S36  
S38 12 S37(30N)S23:S24  
S39 2 S38 NOT S29  
?

? t34/5,k/2-3,5,7,9

34/5,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01148115

Method and apparatus for automatic network configuration  
Verfahren und Vorrichtung zur automatischen Netzkonfiguration  
Procede et appareil pour la configuration automatique d'un reseau

PATENT ASSIGNEE:

Ricoh Company, Ltd., (209037), 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo  
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PATENT (CC, No, Kind, Date): EP 1001584 A2 000517 (Basic)

EP 1001584 A3 020306

APPLICATION (CC, No, Date): EP 99117483 990910;

PRIORITY (CC, No, Date): US 191277 981112

DESIGNATED STATES: DE; ES; FR; GB; IT; NL

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): H04L-029/12; H04L-012/24

ABSTRACT EP 1001584 A2

A dynamically configurable network architecture comprising networked office appliances which provide network addressing, network naming, service discovery, and user identification in one system. The network architecture provides automatic configuration services for unadministered networks while being automatically adaptable within administered environments.

ABSTRACT WORD COUNT: 41

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 000517 A2 Published application without search report

Search Report: 020306 A3 Separate publication of the search report

Examination: 020508 A2 Date of request for examination: 20020227

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200020	1051
SPEC A	(English)	200020	9344
Total word count - document A			10395
Total word count - document B			0
Total word count - documents A + B			10395

...SPECIFICATION a conventional DHCP configuration according to prior art.  
Referring to Figure 1, upon commencing its bootstrap routine, a DHCP client 100 sends out a DHCP Discover broadcast 105 across network 101 looking for a DHCP server 110 or 111 that can return settings to client 100. Both operational DHCP servers 110 and 111 on network 101 receive the DHCP Discover broadcast 105 from client 100 and determine if they can provide configuration information for that particular

client 100. If the DHCP servers 110 and 111 have a configuration for the requesting client 100, they send a DHCP Offer 106 to the DHCP client 100 over network...

34/5,K/3 (Item 3 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00860748

Computer program product for configuring network devices and an associated method for providing configuration information

Computerprogramprodukt zur Konfigurierung von Netzwerkgerate und eine verwandte Methode zur Lieferung von Konfigurationsinformationen

Produit-programme pour configurer des dispositifs de reseau et methode associee pour fournir des informations de configuration

PATENT ASSIGNEE:

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INVENTOR:

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LEGAL REPRESENTATIVE:

Haley, Stephen et al (79721), Gill Jennings & Every, Broadgate House, 7 Eldon Street, London EC2M 7LH, (GB)

PATENT (CC, No, Kind, Date): EP 791881 A1 970827 (Basic)  
EP 791881 B1 021218

APPLICATION (CC, No, Date): EP 97301044 970218;

PRIORITY (CC, No, Date): US 603062 960220

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): G06F-009/445; H04L-012/24

CITED PATENTS (EP B): EP 490624 A; WO 94/10645 A; GB 2206713 A; GB 2278468

A

ABSTRACT EP 791881 A1

A configuration manager for configuring a network device remotely coupled thereto and an associated method for configuring the network device. The configuration manager includes a configuration script stored in a memory subsystem of a computer system and first and second software modules respectively executable by a processor subsystem of the computer system. The configuration script contains a series of executable instructions for constructing a configuration file and a bootptab file for a first specified type of network device. By executing the instructions contained in the configuration script, the first software module may construct a configuration file suitable for upload to a network device and a bootptab file suitable for identifying the network device. Configuration requests issued by the network device are processed by the second software module by identifying the requesting network device using the constructed bootptab file and configuring the requesting network device by uploading the constructed configuration file thereto.

ABSTRACT WORD COUNT: 152

NOTE:

Figure number on first page: 1B

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 000628 A1 Date of dispatch of the first examination report: 20000515

Application: 970827 A1 Published application (A1with Search Report ;A2without Search Report)

Oppn None: 031210 B1 No opposition filed: 20030919

Change: 020424 A1 Title of invention (French) changed: 20020304

Change: 020424 A1 Title of invention (English) changed: 20020304

Change: 020424 A1 Title of invention (German) changed: 20020304

Change: 020417 A1 Title of invention (German) changed: 20020302

Change: 020417 A1 Title of invention (English) changed: 20020302

Change: 020417 A1 Title of invention (French) changed: 20020302

Change: 021218 A1 Inventor information changed: 20021029  
Grant: 021218 B1 Granted patent  
Examination: 980415 A1 Date of filing of request for examination:  
980213

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199708w4	839
CLAIMS B	(English)	200251	1109
CLAIMS B	(German)	200251	1063
CLAIMS B	(French)	200251	1293
SPEC A	(English)	199708w4	9256
SPEC B	(English)	200251	9416
Total word count - document A			10097
Total word count - document B			12881
Total word count - documents A + B			22978

...SPECIFICATION configuration file to a device. The telnet to the device command initiates an in-band transfer of configuration information from the network device configuration tool 10 to the network device 26.

Commands available under the network menu are "bootptab maintenance", "enable bootp server", "disable bootp server", "enable TFTP server", "disable TFTP server " and "view network activity log". All of these commands are relate to the exchange of configuration information between the network device configuration tool 10 and the network device 26. More specifically, the bootptab maintenance command enables the network administrator to review previously constructed bootptab files 32. The enable/disable bootp server commands control the operation of the computer system 2 on which the network device...

...SPECIFICATION configuration file to a device. The telnet to the device command initiates an in-band transfer of configuration information from the network device configuration tool 10 to the network device 26.

Commands available under the network menu are "bootptab maintenance", "enable bootp server", "disable bootp server", "enable TFTP server", "disable TFTP server " and "view network activity log". All of these commands are relate to the exchange of configuration information between the network device configuration tool 10 and the network device 26. More specifically, the bootptab maintenance command enables the network administrator to review previously constructed bootptab files 32. The enable/disable bootp server commands control the operation of the computer system 2 on which the network device...

34/5,K/5 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00899465 \*\*Image available\*\*

REALTIME CONFIGURATION UPDATES AND SOFTWARE DISTRIBUTION TO ACTIVE CLIENT POSITIONS

MISES A JOUR DE CONFIGURATIONS EN TEMPS REEL ET DISTRIBUTION DE LOGICIELS A DES EMPLACEMENTS CLIENTS ACTIFS

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IBM UNITED KINGDOM LIMITED, P.O. Box 41, North Harbour, Portsmouth, Hampshire PO6 3AU, GB, GB (Residence), GB (Nationality), (Designated only for: MG)

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200233539 A2-A3 20020425 (WO 0233539)  
Application: WO 2001GB4383 20011003 (PCT/WO GB0104383)

Priority Application: US 2000691968 20001019

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): G06F-009/445

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5642

English Abstract

A system for updating active client positions can include a platform for managing active application components; a configuration server for storing updates; and, a configuration client for receiving updates from the configuration server and communicating the received updates to the platform. The platform can receive the updates from the configuration client. Subsequently, the platform can terminate selected ones of the active application components. Then, the platform can apply the received updates to the terminated application components. Finally, the platform can reload the updated application components.

French Abstract

Un systeme de mise a jour d'emplacements clients actifs peut comprendre une plate-forme de gestion de composants d'applications actifs, un serveur de configuration de stockage des mises a jour, et un client de configuration destine a la reception des mises a jour provenant du serveur de configuration et a la communication des mises a jour recues a la plate-forme. Celle-ci peut recevoir les mises a jour provenant du client de configuration. Puis, la plate-forme peut interrompre les composants d'applications actifs selectionnees. La plate-forme peut, alors, appliquer les mises a jour recues aux composants d'applications interrompus. Enfin, la plate-forme peut recharger les composants d'applications mis a jour.

Legal Status (Type, Date, Text)

Publication 20020425 A2 without international search report and to be republished upon receipt of that report.

Examination 20020523 Request for preliminary examination prior to end of 19th month from priority date

Search Rpt 20030320 Late publication of international search report

Republication 20030320 A3 with international search report.

Republication 20030320 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Fulltext Availability:

Detailed Description

Detailed Description

... the present

invention can distribute software and configuration data to client positions without having to reboot each client position. Figure 1 illustrates a network architecture configured for use with the system of the invention. As shown in Figure 1, the system for performing realtime configuration updates and software distribution to active client positions can include a configuration server 105, a computer communications network 115, and a plurality of client positions 110A I 110B, 110C connected to the configuration server 105 through the computer communications network 115.

As each client position 11,0A, 110B, 110C undergoes bootstrap , a communications link can be established between the configuration server 105 and the client positions 110A, 110B, 110C. Subsequently, each booted client position 110A, 110B, 110C can query the configuration server 105 to identify the application...

34/5,K/7 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00796155 \*\*Image available\*\*

METHOD AND APPARATUS FOR MAINTAINING A COMPUTER SYSTEM  
PROCEDE ET DISPOSITIF DE MAINTENANCE D'UN SYSTEME INFORMATIQUE

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Legal Representative:

CARLSON Brett A (agent), Snell & Wilmer L.L.P., One Arizona Center, 400  
East Van Buren, Phoenix, AZ 85004-2202, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200129661 A2-A3 20010426 (WO 0129661)

Application: WO 2000US27992 20001010 (PCT/WO US0027992)

Priority Application: US 99160120 19991018; US 2000196186 20000411; US  
2000606786 20000628

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): G06F-009/445

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 12309

English Abstract

In various embodiments of the invention, a server monitors a network for a startup message from a client computer as appropriate. The server may include a computer application that generates configuration instructions in response to commands from an administrator and/or information obtained from a client computer. The instructions may be in the form of scripts, data, objects, or the like. The instructions may be passed to the client



computer, which may execute various administrative functions as directed. In exemplary embodiments, the instructions may command direct placement, verification and/or replacement of files, directory entries, BIOS attributes or other characteristics of the client computer.

#### French Abstract

Selon divers modes de realisation de l'invention, un serveur surveille un reseau a la recherche d'un message de lancement d'un ordinateur client, suivant le cas. Le serveur peut comporter une application ordinateur qui genere des instructions de configuration en reaction a des commandes provenant d'un administrateur et/ou a des informations obtenues d'un ordinateur client. Ces instructions peuvent se presenter sous forme de scripts, de donnees, d'objets ou analogues. Les instructions peuvent etre communiquees a l'ordinateur client qui peut executer plusieurs fonctions administratives suivant ce qui a ete demande. Selon des modes de realisation caracteristiques, les instructions peuvent commander la mise en place directe, la verification et/ou le remplacement de fichiers, de rubriques de repertoires, d'attributs du BIOS, ou d'autres caracteristiques de l'ordinateur client.

#### Legal Status (Type, Date, Text)

Publication 20010426 A2 without international search report and to be republished upon receipt of that report.  
Examination 20010913 Request for preliminary examination prior to end of 19th month from priority date  
Search Rpt 20020627 Late publication of international search report  
Republication 20020627 A3 with international search report.

#### Fulltext Availability: Detailed Description

##### Detailed Description

... program running on server 206, which responds with boot information 334 (as described in the PXE specification, for example). Although described as a single server herein, the  
14  
boot server 306 and the network address server 304 may be implemented on physically and/or logically separate servers .

In various embodiments, server 206 provides a preloader application 334 in response to a request from client computer 202. The preloader application suitably prepares client computer 202 for further configuration , as described more fully below. Formatting of the pre-boot sequence 404 may be in conformance with the PXE standard, or may be according to any other format. Pre-boot instructions are suitably stored...

34/5,K/9 (Item 5 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00741553

METHODS AND SYSTEMS FOR REDUCED CONFIGURATION DEPENDENCY IN THIN CLIENT APPLICATIONS

PROCEDES ET SYSTEMES PERMETTANT DE REDUIRE LA DEPENDANCE CONFIGURATIONNELLE DANS DES APPLICATIONS DE CLIENT <=MAIGRE>=

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(Residence), US (Nationality), (Designated only for: US)  
CANNADY Randy, 385 Twin Brook Way, Lawrenceville, GA 30043, US, US  
(Residence), US (Nationality), (Designated only for: US)  
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(Residence), US (Nationality), (Designated only for: US)  
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(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

GRIFFIN Malvern U III (et al) (agent), Alston & Bird LLP, P.O. Drawer  
34009, Charlotte, NC 28234-4009, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200054149 A2-A3 20000914 (WO 0054149)

Application: WO 2000US6322 20000310 (PCT/WO US0006322)

Priority Application: US 99123592 19990310

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AL AM AT AT (utility model) AU AZ BA BB BG BR BY CA CH CN CR CU CZ CZ  
(utility model) DE DE (utility model) DK DK (utility model) DM DZ EE EE  
(utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN IS  
JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT  
RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR TT TZ UA UG US UZ VN  
YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): G06F-009/445

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6088

English Abstract

A computer network comprising a client and a server is provided, wherein a client session is initiated. The client executes a local boot image associated with the client and sends a startup request to the server over a computer network. In response to the request, the server transmits a client boot image to the client. The client boot image comprises a client operating system. After receiving the client boot image, the client initiates operation of the client operating system by executing the boot image. The client boot may also comprise a client-side manager that is installed when the client executes the client boot image. In this embodiment, the client-side manager transmits a configuration request to the server which includes a unique client identifier. The server receives the configuration request and retrieves a configuration profile for the client using the unique client identifier.

French Abstract

L'invention concerne un reseau informatique comprenant un client et un serveur dans lequel on lance une session client. Le client execute une image locale d'amorçage associee aux clients, et envoie une demande de démarrage au serveur sur un reseau informatique. En reponse a la demande, le serveur transmet une image d'amorçage au client. Ladite image d'amorçage de client comprend un systeme d'exploitation de client. Apres reception de l'image d'amorçage, le client lance le systeme d'exploitation par execution de ladite image d'amorçage. L'image peut egalement comprendre un gestionnaire de client installe lorsque ledit client execute l'image d'amorçage de client. Selon un mode de realisation, le gestionnaire de client transmet une demande de configuration au serveur, qui comprend un identificateur unique de client. Le serveur recoit la demande de configuration, et extrait un

profil de configuration pour le client, a l'aide de l'identificateur unique de client. Le serveur utilise, ensuite, le profil de configuration pour determiner des donnees de configuration de client, et transmet ces donnees de configuration au client. Selon un autre mode de realisation, les donnees de configuration de client comprennent tout les logiciels necessaires pour l'exploitation du client. Le client recoit les donnees de configuration et le gestionnaire de client utilise ces donnees pour configurer ledit client.

Legal Status (Type, Date, Text)

Publication 20000914 A2 without international search report and to be republished upon receipt of that report.  
Examination 20010111 Request for preliminary examination prior to end of 19th month from priority date  
Search Rpt 20010405 Late publication of international search report  
Republication 20010405 A3 with international search report.

Patent and Priority Information (Country, Number, Date):

Patent: ... 20000914  
Fulltext Availability:  
Detailed Description  
Publication Year: 2000

Detailed Description

... Architecture (ICA) protocol

7  
allows for various remote functions such as thin client 12 remote reboot and touchscreen calibration.. The server-side manager 22 also allows for auto configuration of initial client terminal settings , drop-in replacement of terminals (with the new terminal receiving the configuration and session of its predecessor) and configuration of terminals using default or group -wide properties, server side load balancing and broadcast boot of clients.

In a preferred embodiment of the invention, the server-side manager 22 includes...the basic operating system.

Additionally, the client-side manager is also installed when the client boot image is executed. The client-side manager is then used to communicate with the server to complete configuration of the thin client

To accomplish this, the client -side manager transmits a configuration request to the server as depicted in block 56. The configuration request contains a unique

15  
In another embodiment, the server -side manager communicates with the client -side manager to facilitate default configuration of multiple thin clients . In this embodiment, the server-side manager sends a configuration to each unknown client (when it boots ) based on properties as described in a default configuration profile.  
The default configuration profile may...

? t34/69,k/10-12

>>>Format 69 is not valid in file 344

>>>Format 69 is not valid in file 348

34/69,K/10 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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0012754368 - Drawing available

WPI ACC NO: 2002-607551/

XRPX ACC No: N2002-481132

Client boot information retrieval method using network, involves sending client configuration information request to each server in boot server

list, until configuration information is found or request is sent to all servers

Patent Assignee: IBM CORP (IBMC)

Inventor: ANAND V K; FRENCH S M; PAUL C J; SCHOECH J R; STERN B A

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20020078188	A1	20020620	US 2000740565	A	20001218	200265 B

Priority Applications (no., kind, date): US 2000740565 A 20001218

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20020078188	A1	EN	14	6	

#### Alerting Abstract US A1

NOVELTY - A boot server list is requested and received from a boot server, if the client configuration information is not found on the server. The client configuration information request is sent to each server in the list, until the information is found or the request is sent to every server in the list.

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- 1.Client boot information retrieval apparatus;
- 2.Client boot information provision method;
- 3.Client boot information retrieval program product; and
- 4.Client boot information provision apparatus.

USE - For retrieving client boot information for multiple boot servers that service client computers in a network environment.

ADVANTAGE - Since the boot server list only needs to be changed with deletion or assignment of servers, the server based computer load balancing is performed easily across multiple boot servers independent of the client -by- client configuration of DHCP/ PXE proxy and BINL servers.

DESCRIPTION OF DRAWINGS - The figure shows a data flow diagram illustrating the consequences that occurs if the client were directed to an incorrect boot server.

Title Terms/Index Terms/Additional words: CLIENT; BOOT; INFORMATION; RETRIEVAL; METHOD; NETWORK; SEND; CONFIGURATION; REQUEST; SERVE; LIST; FOUND

#### Class Codes

International Classification (Main): G06F-015/177  
(Additional/Secondary): G06F-015/173

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-C03A; T01-F05B; T01-S03

Alerting Abstract ...with deletion or assignment of servers, the server based computer load balancing is performed easily across multiple boot servers independent of the client -by- client configuration of DHCP/ PXE proxy and BINL servers...

#### Original Publication Data by Authority

#### Claims:

What is claimed is: b 1 /b . A method for retrieving client boot information in a network environment with multiple boot servers , comprising: sending an initial request for client configuration

information to a first boot server; if the client configuration information is not found on the first boot server, sending a list request for a boot server list to the first boot server; receiving the boot server list; and sending a configuration information request for the client configuration information to each server in the boot server list until the ...

...configuration information is found or a request has been sent to every server in the boot server list.

34/69,K/11 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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0009519879 - Drawing available  
WPI ACC NO: 1999-463857/  
XRPX ACC No: N1999-347526  
Bootting file production in client server system - produces bootting file based on information acquired by Java agent that is transmitted along with DHCP packet from DHCP server to client  
Patent Assignee: TOSHIBA KK (TOKE)  
Inventor: WAKAMORI O  
Patent Family (1 patents, 1 countries)  
Patent Application  
Number Kind Date Number Kind Date Update  
JP 11195000 A 19990721 JP 1997366814 A 19971226 199939 B

Priority Applications (no., kind, date): JP 1997366814 A 19971226

Patent Details  
Number Kind Lan Pg Dwg Filing Notes  
JP 11195000 A JA 7 3

Alerting Abstract JP A  
NOVELTY - when the client (15) is switched ON, a dynamic host configuration protocol (DHCP) packet (16) along with Java agent (17) is transmitted from DHCP server (13) to the client. The Java agent acquires information for producing bootting file by communicating with other servers. Bootting of client is performed by the bootting file produced by Java agent. DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for bootting procedure in client server system.  
USE - In client server system.  
ADVANTAGE - Bootting file can be determined flexibly. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of client server system. (13) DHCP server; (15) Client; (16) DHCP packet; (17) Java agent.

Title Terms/Index Terms/Additional Words: FILE; PRODUCE; CLIENT; SERVE; SYSTEM; BASED; INFORMATION; ACQUIRE; AGENT; TRANSMIT; PACKET

Class Codes  
International Classification (Main): G06F-015/00  
(Additional/Secondary): G06F-013/00, G06F-009/06

File Segment: EPI;  
DWPI Class: T01  
Manual Codes (EPI/S-X): T01-F06; T01-H; T01-J...

Alerting Abstract ...packet (16) along with Java agent (17) is transmitted from DHCP server (13) to the client. The Java agent acquires information for producing bootting file by communicating with other servers. Bootting of client is performed by the bootting file produced by Java agent. DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for bootting procedure in client server system...

34/69,K/12 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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0008409087 - Drawing available

WPI ACC NO: 1997-526011/

Related WPI ACC No: 1995-302420

XRPX ACC No: N1997-438419

Pre- boot file and data transfer between workstations and servers on local area networks - transfers control from computer pre-boot process to external process, authenticates computer via server after forming network connection, and returns control to boot process to load complete operating system

Patent Assignee: TREND MICRO DEVICES INC (TREN-N)

Inventor: CHANG S M

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 5680547	A	19971021	US 1993101837	A	19930804	199748 B
			US 1995512572	A	19950808	

Priority Applications (no., kind, date): US 1993101837 A 19930804; US 1995512572 A 19950808

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5680547	A	EN	12	3	Continuation of application US
1993101837					

Continuation of patent US 5444850

#### Alerting Abstract US A

During a workstation boot sequence, the various components of the workstation and network operating system are loaded and executed. Since all control of the workstation after the boot sequence is passed to the workstation operating system, any management tasks performed after boot must be performed by application programs running on the workstation. The present invention overcomes problems created by using such application programs to perform management tasks by providing a hardware component, for example a ROM or PROM containing appropriate programming placed in the usually unused boot ROM socket of a LAN card installed in the individual workstations, or a chip including a PROM or ROM built onto the motherboard or system board of the individual workstations.

The program in the PROM is set up so that, at system start-up, prior to loading of the workstation operating system software during the boot sequence, it performs certain operating system functions by using the basic input/output system (BIOS) of the workstation to enable the workstation to communicate with a server on the network and make the necessary resources of the workstation available to a server management application running on the server via the network. This process, controlled by a system administrator, allows a variety of pre-boot functions to take place in the workstation.

ADVANTAGE - Protocol and operating system independent; only activated upon request; is not TSR and therefore does not occupy memory; allows system administrator to force server connection; enables network connection to be created at boot up, even if local drive is damaged or user does not log in, and enables remote access to workstation hard drive without user intervention. Saves thousands of hours per year because no office hiking is required to gain access to user workstations that have hung or crashed. User workstations can be configured centrally. Software installation, updating, version control and metering can be simplified and centralised.

Title Terms/Index Terms/Additional words: PRE; BOOT; FILE; DATA; TRANSFER; SERVE; LOCAL; AREA; NETWORK; CONTROL; COMPUTER; PROCESS; EXTERNAL; AFTER;

FORMING; CONNECT; RETURN; LOAD; COMPLETE; OPERATE; SYSTEM

**Class Codes**

International Classification (Main): G06F-015/177

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-H07C3E; T01-J12C

Pre- boot file and data transfer between workstations and servers  
on local area networks...

?

? t39/5,k/all

39/5,k/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01871663

Television delivery system  
Fernsehverteilssystem  
Systeme de distribution de television

PATENT ASSIGNEE:

ImagicTV Inc., (2905240), 14th floor, One Brunswick Square, P.O. Box 303,  
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all)

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LEGAL REPRESENTATIVE:

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11 1BP, (GB)

PATENT (CC, No, Kind, Date): EP 1517559 A2 050323 (Basic)  
EP 1517559 A3 060412

APPLICATION (CC, No, Date): EP 2004010055 990603;

PRIORITY (CC, No, Date): US 88135 P 980604; GB 9812218 980605

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 1086589 (EP 99923344)

INTERNATIONAL PATENT CLASS (V7): H04N-007/24; H04N-007/173

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

H04N-0007/24 A I F B 20060101 20050127 H EP

H04N-0007/173 A I L B 20060101 20050127 H EP

ABSTRACT EP 1517559 A3

A system for delivering broadcast television over Internet Protocol is described. A broadcast provider obtains television signals from traditional sources such as satellite or cable and encodes the signals for delivery to a subscriber/user over an IP enabled broadband network. An IP multicast protocol is used for conventional TV programming and near video on demand movie selections. An IP unicast protocol is used for video on demand services. A user/subscriber has a television/set top box or a PC with appropriate software to decode the IP format for program viewing. An interactive electronic program guide, viewable on the subscriber's monitor, provides the subscriber with schedule information relating to programs available for viewing.

ABSTRACT WORD COUNT: 112

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 050323 A2 Published application without search report

Examination: 050323 A2 Date of request for examination: 20040527

Search Report: 060412 A3 Separate publication of the search report

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text Language Update Word Count



CLAIMS A (English) 200512 1122  
SPEC A (English) 200512 4618  
Total word count - document A 5742  
Total word count - document B 0  
Total word count - documents A + B 5742

...SPECIFICATION a program listed in the electronic program guide.

Other features provided by the invention include Multicast download where information required to boot a network device to a multicast group is constantly delivered by a network server. The DHCP server is configured to return the multicast address and port as parameters in a BOOTP response. The network device is programmed to join the multicast group and download a bootstrap...

39/5,K/2 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2006 WIPO/Univentio. All rts. reserv.

00532407 \*\*Image available\*\*  
TELEVISION DELIVERY SYSTEM  
SYSTEME DE DISTRIBUTION DE PROGRAMMES TELEVISES  
Patent Applicant/Assignee:

IMAGICTV INC,  
CAMERON Allan,  
POMEROY Trenton,  
ALSTON David,  
HIGGINS Sean,  
JONES Ian,  
SWANSBURG Darren,  
FURLONG Jeff,

Inventor(s):

CAMERON Allan,  
POMEROY Trenton,  
ALSTON David,  
HIGGINS Sean,  
JONES Ian,  
SWANSBURG Darren,  
FURLONG Jeff,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9963759 A2 19991209  
Application: WO 99CA505 19990603 (PCT/WO CA9900505)  
Priority Application: US 9888135 19980604; GB 9812218 19980605

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE  
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK  
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN  
YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE  
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN  
GW ML MR NE SN TD TG

Main International Patent Class (v7): H04N-007/24

International Patent Class (v7): H04N-007/173

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5839

English Abstract

A system for delivering broadcast television over the Internet Protocol is described. A broadcast provider obtains television signals from traditional sources such as satellite or cable and encodes the signals for delivery to a subscriber/user over an IP enabled broadband network. An IP multicast protocol is used for conventional TV programming and near

video on demand movie selections. An IP unicast protocol is used for video on demand services. A user/subscriber has a television/set top box or a PC with appropriate software to decode the IP format for program viewing. An interactive electronic program guide, viewable on the subscriber's monitor, provides the subscriber with access to a range of viewing features and system management functions.

#### French Abstract

La presente invention concerne un systeme permettant la diffusion de programmes televises selon le protocole Internet (IP). Un fournisseur d'emissions obtient des signaux de television de sources classiques telles que le satellite ou le cable, et code ces signaux avant de les delivrer a un abonne/utilisateur sur un reseau a large bande a fonctionnalite IP. Un protocole IP multidestinataire est utilise pour la programmation televisee ordinaire et les selections de films video presque sur demande. Un protocole IP unidestinataire est utilise pour les services de video sur demande. L'utilisateur/abonne possede un televiseur/coffret d'abonne ou un ordinateur personnel dote d'un logiciel approprie qui lui permet de decoder le format IP afin de pouvoir visualiser les programmes. Un guide electronique interactif des programmes, pouvant etre visualise sur l'ecran de l'abonne, permet a l'abonne d'avoir acces a toute une gamme de caracteristiques de visualisation et de fonctions de gestion du systeme.

#### Fulltext Availability: Detailed Description

Detailed Description  
... a program listed in the  
electronic program guide.

Other features provided by the invention include Multicast download where information required to boot a network device to a multicast group is constantly delivered by a network server . The DHCP server is configured to return the multicast address and port as parameters in a BOOTP response. The network device is programmed to join the multicast group and download a bootstrap...

File 2:INSPEC 1898-2006/Aug w1  
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File 6:NTIS 1964-2006/Aug w1  
(c) 2006 NTIS, Intl Cpyrgh All Rights Res  
File 8:EI Compendex(R) 1970-2006/Aug w1  
(c) 2006 Elsevier Eng. Info. Inc.  
File 34:SciSearch(R) Cited Ref Sci 1990-2006/Aug w1  
(c) 2006 The Thomson Corp  
File 35:Dissertation Abs Online 1861-2006/Jun  
(c) 2006 ProQuest Info&Learning  
File 65:Inside Conferences 1993-2006/Aug 15  
(c) 2006 BLDSC all rts. reserv.  
File 94:JICST-EPlus 1985-2006/May w1  
(c)2006 Japan Science and Tech Corp(JST)  
File 95:TEME-Technology & Management 1989-2006/Aug w2  
(c) 2006 FIZ TECHNIK  
File 99:Wilson Appl. Sci & Tech Abs 1983-2006/Jul  
(c) 2006 The HW Wilson Co.  
File 144:Pascal 1973-2006/Jul w4  
(c) 2006 INIST/CNRS  
File 256:TecInfoSource 82-2006/Nov  
(c) 2006 Info.Sources Inc  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 2006 The Thomson Corp  
File 56:Computer and Information Systems Abstracts 1966-2006/Jul  
(c) 2006 CSA.  
File 57:Electronics & Communications Abstracts 1966-2006/Jul  
(c) 2006 CSA.  
File 60:ANTE: Abstracts in New Tech & Engineer 1966-2006/Jul  
(c) 2006 CSA.  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group

Set	Items	Description
S1	573	PXE OR (PREBOOT? OR PRE() (BOOT??? ? OR STRAP??? ? OR STRAP- P??? ?)) (EXECUT???? ?) (ENVIRONMENT? ?
S2	272466	SERVER? OR BOOTSERVER? OR RAS OR CLIENTSERVER? OR MINISERV- ER? OR PROXYSERVER?
S3	479	FILESERVER? OR MICROSERVER?
S4	2668	MULTISERVER?
S5	54	SERVERFARM? OR SERVERGROUP? OR SERVERLIST?
S6	25804	S2:S3(2N) (NETWORK? ? OR GROUP? ? OR GROUPING? ? OR COMMUNI- T??? ? OR CLUSTER???? ? OR FAMIL??? ? OR POOL? ? OR CHAIN? ?)
S7	6752	(MULTIPLE OR RANGE OR COLLECTION? ? OR SERIES OR THIRD OR - THREE OR DIFFERENT OR HETEROGEN? OR ALTERNATE OR ALTERNATIVE)- (2W)S2:S3
S8	10067	(SEPARATE OR OTHER OR MANY OR INHOMOGEN? OR BETWEEN OR BOTH OR NUMBER OR PAIR? ? OR ET OR SETS OR EXTRA OR ANOTHER) (2W)S- 2:S3
S9	8968	(SEPERATE OR SET OR MULTI OR SEVERAL OR NUMEROUS OR ADDITI- ONAL OR PLURAL? OR ACROSS OR MULTIPLE OR CROSS OR SECOND OR T- WO) (2W)S2:S3
S10	1798808	CONFIGURATION? ? OR SEMANTIC(1W)MODEL? ? OR SETTINGS OR SE- TUP? OR SET()UP? ? OR TOPOLOG??? ?
S11	8012	(BOOT??? ? OR BOOTSTRAP? OR OS OR OPERAT??? ?) (SYSTEM? ?) (- 2N) (DATA OR INFORMATION)
S12	53252	S10:S11(5N) (CLIENT? OR CUSTOMER? ? OR NODE? ? OR SUBSCRIBE- R? OR USER? ? OR COMPUTER? ? OR CONSOLE? ? OR TERMINAL? ? OR - THREAD? ?)
S13	34440	S10:S11(5N) (PC OR PCS OR WORKSTATION? OR STATION? ? OR PCU? ? OR UNIT OR UNITES OR DESKTOP? OR DESK()TOP? ? OR DEVICE? ?)
S14	2438	S10:S11(5N) (MICROPROCESS? OR MICROCOMPUT?)
S15	27489	S10:S11(5N) (SEND??? ? OR SENT OR FORWARD? OR TRANSMIT? OR - TRANSMIS? OR XFER? OR TRANSFERR? OR TRANSFER???? ? OR RELEAS?)
S16	5629	S10:S11(5N) (DISSEMINAT? OR NOTIFY? OR NOTIFIE?? ? OR NOTIF-

ICAT? OR REQUEST? OR RECEIPT? OR CONVEY? OR DELIVER? OR MIGRA-  
 T?)  
 S17 41732 S10:S11(5N)(RECEPT? OR DISTRIBUT? OR SHARE? ? OR SHARING OR  
 ACQUISITION? OR ACQUIR? OR RECEIV?)  
 S18 42090 S10:S11(5N)(BROADCAST? OR SWAP???? ? OR EXCHANG? OR FEED???  
 ? OR FED OR RELEAS? OR STREAM? OR DISPATCH? OR DISTRIBUT?)  
 S19 3785 S10:S11(5N)(NETCAST? OR RELAY? OR CYBERCAST? OR WEBCAST? OR  
 MULTICAST? OR ANYCAST? OR CAST??? ?)  
 S20 52101 BOOT??? ? OR BOOTSTRAP? OR REBOOT? OR WARMBOOT? OR SOFTBOO-  
 T? OR REMOTEBOOT?  
 S21 995 S4:S9 AND S12:S14  
 S22 179 S21 AND S15:S19  
 S23 1 S22 AND S20  
 S24 2 S21 AND S1  
 S25 3 S23:S24  
 S26 3 RD (unique items)

26/7/1 (Item 1 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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07577628 E.I. No: EIP05349319946

Title: A management system of a multi-CPU based data acquisition system  
Author: Nagasaka, Y.; Higuchi, T.; Igarashi, Y.; Nakao, M.; Suzuki, S.Y.;  
Tanaka, M.; Uchida, T.

Corporate Source: Hiroshima Institute of Technology, Hiroshima, Hiroshima  
731-5193, Japan

Conference Title: 2004 Nuclear Science Symposium, Medical Imaging  
Conference, Symposium on Nuclear Power Systems and the 14th International  
Workshop on Room Temperature Semiconductor X- and Gamma- Ray Detectors

Conference Location: Rome, Italy Conference Date: 20041016-20041022

Sponsor: IEEE Nuclear and Plasma Sciences Society; University of Pisa,  
Department of Physics; Istituto Nazionale di Fisica Nucleare, INFN; CERN;  
Associazione per lo Sviluppo Scientifico e Tecnologico del; et al.

E.I. Conference No.: 65448

Source: IEEE Nuclear Science Symposium Conference Record 2004 IEEE  
Nuclear Science Symposium Conference Record v 3 2004. (IEEE cat n  
04CH37604)

Publication Year: 2004

CODEN: 850QAD ISSN: 1095-7863

Language: English

Document Type: CA; (Conference Article) Treatment: T; (Theoretical)

Journal Announcement: 0509w1

Abstract: A data acquisition system in almost all the high energy physics  
experiments is now required high performance, i.e. a high speed data  
transfer, a high speed calculation for a data reduction, and so on. In  
order to achieve these requirements, a DAQ system based on multi-CPU will  
be applied. Several kinds of systems have lots of CPUs in not only an  
event building part but also a front-end one to reduce data. The number of  
CPUs will be more than 1,000 for such systems. However, it is not so easy  
to manage such a large number of CPUs. We have developed a management  
system for a multi-CPU based DAQ system. This system manages to boot up  
CPUs and to control and monitor them in the DAQ system. The management  
system consists of one root-server and several co-servers, which are  
connected with a cascade topology for a high scalability of the system.  
The system enables us to manage the multi-CPU based DAQ system easily.  
copy 2004 IEEE. 4 Refs.

26/7/3 (Item 2 from file: 256)  
DIALOG(R)File 256: TecInfoSource  
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00148312 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft Automated Deployment Services 1.0 (183474)

TITLE: ADS 1.0 aids server management

AUTHOR: Chu, Francis

SOURCE: eWeek, v20 n37 p67(1) Sep 15, 2003

ISSN: 1530-6283

HOME PAGE: <http://www.eweek.com>

FILE SEGMENT: Review

RECORD TYPE: Review

GRADE: B

Microsoft ADS (Automated Deploy Services) 1.0 gets good marks for  
capability, performance, manageability, and security, with excellent scores  
for usability, and fair scores for interoperability. The tool streamlines  
tasks required to automate provisioning and deploy of large windows server

... farms. Testers found setup to be straightforward, with useful automation tools for deployment of Microsoft Windows Server 2003 or 2000 server images to bare-metal systems. ADS will serve users well for addressing server automation tasks for small- and mid-sized server farms. However, larger enterprises with mixed-platform systems and larger budgets should consider OpForce and Altiris Server Provisioning Suite. ADS has similarities to Remote Installation Services in Windows 2000 Server. The free, built-in tool deploys operating system images in a Windows-only environment. With PXE ( Preboot Execution Environment ) boot and a bare Windows 2003 agent, an ADS Controller can deploy many server images over a network to bare-metal servers. ADS also supports script execution and file batching to large Windows 2000 and 2003 server farms. ADS requires one or more Windows 2003 servers as the deployment server and must be installed only on a server running Microsoft Windows Server 2003 Enterprise Edition.

File 347:JAPIO Dec 1976-2005/Dec(updated 060404)  
(c) 2006 JPO & JAPIO

Set	Items	Description
S1	11	PXE OR (PREBOOT? OR PRE() (BOOT??? ? OR STRAP??? ? OR STRAP- P??? ?)) (EXECUT???? ? (ENVIRONMENT? ?
S2	59495	SERVER? OR BOOTSERVER? OR RAS OR CLIENTSERVER? OR MINISERV- ER? OR PROXYSERVER?
S3	2	FILESERVER? OR MICROSERVER?
S4	4	MULTISERVER?
S5	0	SERVERFARM? OR SERVERGROUP? OR SERVERLIST?
S6	3424	S2:S3(2N) (NETWORK? ? OR GROUP? ? OR GROUPING? ? OR COMMUNI- T??? ? OR CLUSTER???? ? OR FAMIL??? ? OR POOL? ? OR CHAIN? ?)
S7	299	(MULTIPLE OR RANGE OR COLLECTION? ? OR SERIES OR THIRD OR - THREE OR DIFFERENT OR HETEROGEN? OR ALTERNATE OR ALTERNATIVE)- (2W)S2:S3
S8	2073	(SEPARATE OR OTHER OR MANY OR INHOMOGEN? OR BETWEEN OR BOTH OR NUMBER OR PAIR? ? OR ET OR SETS OR EXTRA OR ANOTHER)(2W)S- 2:S3
S9	1573	(SEPERATE OR SET OR MULTI OR SEVERAL OR NUMEROUS OR ADDITI- ONAL OR PLURAL? OR ACROSS OR MULTIPLE OR CROSS OR SECOND OR T- WO)(2W)S2:S3
S10	111973	CONFIGURATION? ? OR SEMANTIC(1W)MODEL? ? OR SETTINGS OR SE- TUP? OR SET()UP? ? OR TOPOLOG??? ?
S11	604711	IMAGE OR IMAGES
S12	933	(BOOT??? ? OR BOOTSTRAP? OR OS OR OPERAT??? ? (SYSTEM? ? )(- 2N)(DATA OR INFORMATION)
S13	26645	S10:S12(5N) (CLIENT? OR CUSTOMER? ? OR NODE? ? OR SUBSCRIBE- R? OR USER? ? OR COMPUTER? ? OR CONSOLE? ? OR TERMINAL? ? OR - THREAD? ?)
S14	202259	S10:S12(5N) (PC OR PCS OR WORKSTATION? OR STATION? ? OR PCU? ? OR UNIT OR UNITES OR DESKTOP? OR DESK()TOP? ? OR DEVICE? ?)
S15	905	S10:S12(5N) (MICROPROCESS? OR MICROCOMPUT?)
S16	443	S4:S9 AND S13:S15
S17	1	S16 AND S1
S18	76780	S10:S12(5N) (SEND??? ? OR SENT OR FORWARD? OR TRANSMIT? OR - TRANSMIS? OR XFER? OR TRANSFERR? OR TRANSFER???? ? OR RELEAS?)
S19	10027	S10:S12(5N) (DISSEMINAT? OR NOTIFY? OR NOTIFIE?? ? OR NOTIF- ICAT? OR REQUEST? OR RECEIPT? OR CONVEY? OR DELIVER? OR MIGRA- T?)
S20	19400	S10:S12(5N) (RECEPT? OR DISTRIBUT? OR SHARE? ? OR SHARING OR ACQUISITION? OR ACQUIR?)
S21	250	S16 AND S18:S20
S22	2960	IC='G06F-015/177'
S23	1	S21 AND S22
S24	6	S16 AND S22
S25	5	S24 NOT (S17 OR S23)
S26	7588	BOOT??? ? OR BOOTSTRAP? OR REBOOT? OR WARMBOOT? OR SOFTBOO- T?
S27	0	REMOTEBOOT?
S28	6	S16 AND S26
S29	454050	START??? ? OR INITIALI? OR REINITIALI? OR RESTART? OR RESE- T???? ?
S30	34	S16 AND S29
S31	37	S28 OR S30
S32	0	S31 AND AC=US/PR AND AY=(1963:2002)/PR
S33	0	S31 AND AC=US AND AY=1963:2000
S34	0	S31 AND AC=US AND AY=(1963:2000)/PR
S35	14	S31 AND PY=1963:2000
S36	14	S35 NOT (S17 OR S23 OR S25)
?		

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)

(c) 2006 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2006/ 200632

(c) 2006 European Patent Office

File 349:PCT FULLTEXT 1979-2006/UB=20060810,UT=20060803

(c) 2006 WIPO/Univentio

File 350:Derwent WPIX 1963-2006/UD=200651

(c) 2006 The Thomson Corporation

Set	Items	Description
S1	33	AU='ANAND V'
S2	13	AU='ANAND V K'
S3	16	AU='ANAND VAIJAYANTHIMALA':AU='ANAND VAIJAYANTHIMALA K'
S4	15	AU='ANAND, VAIJAYANTHIMALA':AU='ANAND, VAIJAYANTHIMALA K.'
S5	17	AU='FRENCH S'
S6	44	AU='FRENCH S M'
S7	2	AU='FRENCH STEVEN'
S8	34	AU='FRENCH STEVEN M':AU='FRENCH STEVEN MICHAEL'
S9	33	AU='FRENCH, STEVEN M.':AU='FRENCH, STEVEN MICHAEL'
S10	58	AU='PAUL C'
S11	35	AU='PAUL C J'
S12	14	AU='PAUL CHAKKALAMATTAM J':AU='PAUL CHAKKALAMATTAM JOS'
S13	14	AU='PAUL, CHAKKALAMATTAM J.':AU='PAUL, CHAKKALAMATTAM JOS'
S14	8	AU='SCHOECH J R':AU='SCHOECH JAMES RICHARD'
S15	8	AU='SCHOECH, JAMES R.':AU='SCHOECH, JAMES RICHARD'
S16	39	AU='STERN B':AU='STERN B A'
S17	5	AU='STERN BRADFORD A':AU='STERN BRADFORD ALLEN'
S18	5	AU='STERN, BRADFORD A.':AU='STERN, BRADFORD ALLEN'
S19	6	S1:S4 AND S5:S18

>>>Format 69 is not valid in file 348

19/69/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0014762376 - Drawing available

WPI ACC NO: 2005-110030/

XRPX ACC No: N2005-094950

Method for implementing logon assignments for users in heterogeneous network, involves selecting logon assignment based on designation of user identity and indication of software platform of client system

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: ANAND V ; CALLAWAY J R; FRENCH S M ; PRATT S; RIDDLEMOSER D W

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6845451	B1	20050118	US 2000564820	A	20000504	200512 B

Priority Applications (no., kind, date): US 2000564820 A 20000504

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6845451	B1	EN	9	4	

#### Alerting Abstract US B1

NOVELTY - The logon assignments including access driver and logical identifier for shared resource on remote system, are stored in user profile of configuration server, along with associated user identity. Logon assignment is selected based on designation of user identity and indication of software platform of client system. The selected assignment is sent from server to client system through heterogeneous network.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1.system for implementing logon assignments from users of network; and



2.computer program product for implementing logon assignments.

USE - For implementing logon assignments e.g. logon to home directory, for users in heterogeneous network.

ADVANTAGE - Enables the user of the client system to use the allocated resources specified by the logon assignments, regardless of the software platform or operating system of the client system at which the user is logged into the heterogeneous network.

DESCRIPTION OF DRAWINGS - The figure shows a schematic view of the heterogeneous network.

Title Terms/Index Terms/Additional words: METHOD; IMPLEMENT; ASSIGN; USER; HETEROGENEOUS; NETWORK; SELECT; BASED; DESIGNATED; IDENTIFY; INDICATE; SOFTWARE; PLATFORM; CLIENT; SYSTEM

#### Class Codes

International Classification (Main): G06F-011/30  
(Additional/Secondary): G06F-015/173

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-N02B1B; T01-S03

19/69/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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0014611500 - Drawing available

WPI ACC NO: 2004-793472/

XRFX ACC No: N2004-625191

Remote operating system-booting method used with e.g. data processing system, involves accessing client specific configuration type using default bootstrap program to determine operating system assigned to client terminal

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: ANAND V K ; JENNERY A P; PAUL C J ; SCHOECH J R ; STERN B A

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6810478	B1	20041026	US 2000735600	A	20001212	200478 B

Priority Applications (no., kind, date): US 2000735600 A 20001212

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6810478	B1	EN	8	4	

#### Alerting Abstract US B1

NOVELTY - A default bootstrap program is generated for computer network and is loaded to a client terminal for requesting a remote boot from a network server. A client specific configuration file is accessed using default program to determine operating system assigned to client terminal. An operating system-specific bootstrap program for the determined operating system, is loaded and executed with respect to client terminal.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1.computer program product in computer-readable medium for remote booting of multiple operating systems; and

2.remote operating system-booting system.

USE - For remote booting of multiple operating system used in client terminal such as data processing system e.g. multiprocessor system, personal digital assistant, stand-alone computer system, notebook computer, handheld computer, kiosk or web appliance used within computer network such

as intranet, local area network (LAN) or wide area network (WAN).

ADVANTAGE - Effective remote booting of operating system is performed without reconfiguring or restarting server.

DESCRIPTION OF DRAWINGS - The figure shows a flowchart explaining remote operating system-booting process.

Title Terms/Index Terms/Additional words: REMOTE; OPERATE; SYSTEM; METHOD; DATA; PROCESS; ACCESS; CLIENT; SPECIFIC; CONFIGURATION; TYPE; DEFAULT; BOOTSTRAP; PROGRAM; DETERMINE; ASSIGN; TERMINAL

#### Class Codes

International Classification (Main): G06F-015/177

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-F05B; T01-N01D; T01-N02B1; T01-S03

19/69/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0014280226 - Drawing available

WPI ACC NO: 2004-466737/

XRPX ACC No: N2004-368654

Method for managing user, group, server and resource in heterogeneous network environment, involves transmitting platform independent deployment command generated corresponding to generic command, to selected deployment server

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: ANAND V ; FRENCH S M ; SPENCER J I

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 6748436	B1	20040608	US 2000564824	A	20000504	200444	B

Priority Applications (no., kind, date): US 2000564824 A 20000504

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6748436	B1	EN	13	4	

#### Alerting Abstract US B1

NOVELTY - Any one of deployment servers is selected by a configuration server, based on a generic command received from an administration client. A platform independent deployment command is generated by the configuration server, corresponding to the generic command. The generated command is transmitted to the selected deployment server to perform operation implicated by the generic command.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1.system for managing user, group, server and resource in heterogeneous network environment; and

2.program product for managing user, group, server and resource in heterogeneous network environment.

USE - For managing user, group, server and resource in heterogeneous network environment.

ADVANTAGE - The configuration and management of user, group, server and resource in heterogeneous network environment is centralized and simplified.

DESCRIPTION OF DRAWINGS - The figure shows a flowchart illustrating the method for managing user, group, server and resource in heterogeneous network environment.

Title Terms/Index Terms/Additional Words: METHOD; MANAGE; USER; GROUP;  
SERVE; RESOURCE; HETEROGENEOUS; NETWORK; ENVIRONMENT; TRANSMIT; PLATFORM;  
INDEPENDENT; DEPLOY; COMMAND; GENERATE; CORRESPOND; SELECT

#### Class Codes

International Classification (Main): G06F-013/00

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-N02B1A; T01-N02B1B; T01-S03

19/69/4 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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0014008327 - Drawing available

WPI ACC NO: 2004-189705/

XRPX ACC No: N2004-150465

Computer booting method through e.g. Internet, involves loading program  
that emulates preboot execution environment application program interface  
and initiates specific boot request to network

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: ANAND V K ; FRENCH S M ; SCHOECH J R

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6684327	B1	20040127	US 2000735590	A	20001212	200418 B

Priority Applications (no., kind, date): US 2000735590 A 20001212

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6684327	B1	EN	9	5	

#### Alerting Abstract US B1

NOVELTY - A client interrupt vector table is stored using special local  
bootstrap. A normal disk operating system boot is performed using files  
that contain pointers to drivers of network devices which enable network  
interface card. A program that emulates preboot execution environment (PXE)  
application program interface and initiates dynamic host configuration  
protocol (DHCP)/PXE boot request to network, is then loaded.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.computer program product for network booting of client computer; and
- 2.system for network booting of client computer.

USE - For booting computer through communication network such as local  
area network, wide area network and Internet.

ADVANTAGE - The client can perform DHCP/PXE boot without specialized  
hardware, by relying on software emulation of necessary DHCP/PXE functions.

DESCRIPTION OF DRAWINGS - The figure shows a flowchart explaining  
computer booting process through network.

Title Terms/Index Terms/Additional Words: COMPUTER; METHOD; THROUGH; LOAD;  
PROGRAM; EXECUTE; ENVIRONMENT; APPLY; INTERFACE; INITIATE; SPECIFIC; BOOT  
; REQUEST; NETWORK

#### Class Codes

International Classification (Main): G06F-009/445

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-F05B; T01-N01D; T01-S03

19/69/5 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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0012754368 - Drawing available

WPI ACC NO: 2002-607551/

XRPX ACC No: N2002-481132

Client boot information retrieval method using network, involves sending client configuration information request to each server in boot server list, until configuration information is found or request is sent to all servers

Patent Assignee: IBM CORP (IBMC)

Inventor: ANAND V K ; FRENCH S M ; PAUL C J ; SCHOECH J R ; STERN B A

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20020078188	A1	20020620	US 2000740565	A	20001218	200265 B

Priority Applications (no., kind, date): US 2000740565 A 20001218

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20020078188	A1	EN	14	6	

#### Alerting Abstract US A1

NOVELTY - A boot server list is requested and received from a boot server, if the client configuration information is not found on the server. The client configuration information request is sent to each server in the list, until the information is found or the request is sent to every server in the list.

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- 1.Client boot information retrieval apparatus;
- 2.Client boot information provision method;
- 3.Client boot information retrieval program product; and
- 4.Client boot information provision apparatus.

USE - For retrieving client boot information for multiple boot servers that service client computers in a network environment.

ADVANTAGE - Since the boot server list only needs to be changed with deletion or assignment of servers, the server based computer load balancing is performed easily across multiple boot servers independent of the client-by-client configuration of DHCP/PXE proxy and BINL servers.

DESCRIPTION OF DRAWINGS - The figure shows a data flow diagram illustrating the consequences that occurs if the client were directed to an incorrect boot server.

Title Terms/Index Terms/Additional words: CLIENT; BOOT; INFORMATION; RETRIEVAL; METHOD; NETWORK; SEND; CONFIGURATION; REQUEST; SERVE; LIST; FOUND

#### Class Codes

International Classification (Main): G06F-015/177

(Additional/Secondary): G06F-015/173

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-C03A; T01-F05B; T01-S03

19/69/6 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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0012720970 - Drawing available

WPI ACC NO: 2002-573001/200261

XRPX ACC No: N2002-453920

File synchronization method involves receiving cached file data and file-data management information by second file system from driver of first file system during second phase of boot sequence

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: ANAND V K ; FRENCH S M ; PEEBLES T F; SPENCER J I

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6401093	B1	20020604	US 1999282634	A	19990331	200261 B

Priority Applications (no., kind, date): US 1999282634 A 19990331

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6401093	B1	EN	11	8	

#### Alerting Abstract US B1

NOVELTY - The method involves performing the caching of the produced file data from the driver of a first file system, and the information for managing the file data during the first phase of a boot sequence. A second file system receives the cached file data and management information from the driver of the first file system during the second phase of the boot sequence.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.a computer program product for file synchronization;
- 2.and a file system.

USE - For file synchronization during a boot sequence between a client and a server. Applicable in file management during initialization of a computer in a distributed computing environment.

ADVANTAGE - Enables synchronize update and management of files in distributed computing environment by making one file system inherit files from other file system.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of operating sequence of file synchronization using a boot loader, a mini file system driver and a network file system.

Title Terms/Index Terms/Additional Words: FILE; SYNCHRONISATION; METHOD; RECEIVE; DATA; MANAGEMENT; INFORMATION; SECOND; SYSTEM; DRIVE; FIRST; PHASE; BOOT; SEQUENCE

#### Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-F02C1; T01-N02B1; T01-S03